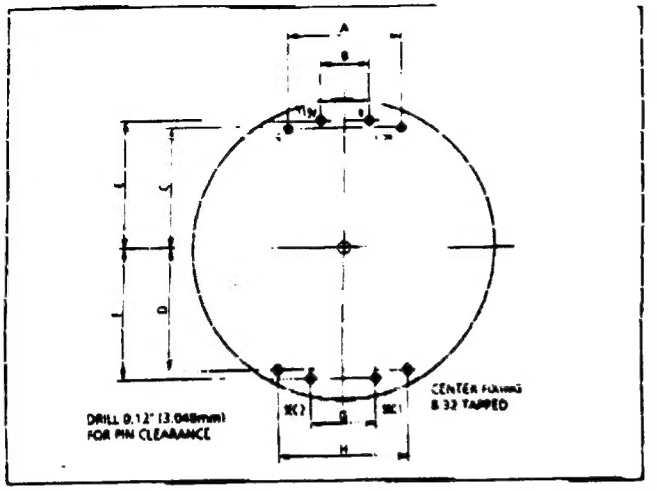
PIN LAYOUT

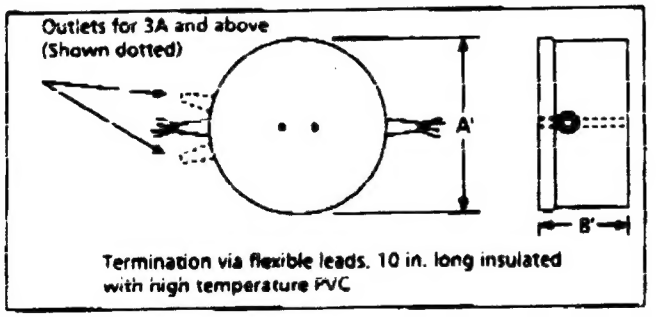


DIMENSIONS FOR PRINTED CIRCUIT STYLE

	A	B	C	D	E	F	G	H	
15VA	30.48 1.20	10.16 0.40	22.86 0.90	22.86 0.90	27.94 1.10	27.94 1.10	15.24 0.60	35.56 1.40	mm inches
30VA	30.48 1.20	10.16 0.40	33.02 1.30	30.48 1.20	35.56 1.40	35.56 1.40	20.32 0.80	40.64 1.60	mm inches
50VA	35.56 1.40	15.24 0.60	38.10 1.50	38.10 1.50	40.64 1.60	40.64 1.60	20.32 0.80	40.64 1.60	mm inches

Recommended drill size 3mm (0.125 inches)

FLEXIBLE LEAD STYLE



Termination via flexible leads, 10 in. long insulated with high temperature PVC

Type	Primary Voltage V	Nom. Load VA	Secondary Voltage Volts	Secondary Current A	Dimensions Overall A in B in	Weight in Typical	Mounting
▼ PRINTED CIRCUIT STYLE ▼							
40/3030	115+115	15	6+6	1.250	2.60 1.30	0.77	8-32 Central
40/3031	115+115	15	9+9	0.830	2.60 1.30	0.77	
40/3032	115+115	15	12+12	0.625	2.60 1.30	0.77	
40/3033	115+115	15	15+15	0.500	2.60 1.30	0.77	
40/3034	115+115	15	20+20	0.375	2.60 1.30	0.77	
40/3035	115+115	30	6+6	2.500	3.25 1.40	1.30	8-32 Central
40/3036	115+115	30	9+9	1.666	3.25 1.40	1.30	
40/3037	115+115	30	12+12	1.250	3.25 1.40	1.30	
40/3038	115+115	30	15+15	1.000	3.25 1.40	1.30	
40/3039	115+115	30	20+20	0.750	3.25 1.40	1.30	
40/3040	115+115	50	9+9	2.800	3.75 1.55	2.00	2x8-32 spaced 0.40 in.
40/3041	115+115	50	12+12	2.100	3.75 1.55	2.00	
40/3042	115+115	50	15+15	1.670	3.75 1.55	2.00	
40/3043	115+115	50	20+20	1.250	3.75 1.55	2.00	
40/3044	115+115	50	25+25	1.000	3.75 1.55	2.00	
▼ FLEXIBLE LEAD STYLE ▼							
40/3000	115+115	15	6+6	1.250	2.70 1.25	0.77	8-32 Central
40/3001	115+115	15	9+9	0.830	2.70 1.25	0.77	
40/3002	115+115	15	12+12	0.625	2.70 1.25	0.77	
40/3003	115+115	15	15+15	0.500	2.70 1.25	0.77	
40/3004	115+115	15	20+20	0.375	2.70 1.25	0.77	
40/3005	115+115	30	6+6	2.500	3.30 1.35	1.30	8-32 Central
40/3006	115+115	30	9+9	1.666	3.30 1.35	1.30	
40/3007	115+115	30	12+12	1.250	3.30 1.35	1.30	
40/3008	115+115	30	15+15	1.000	3.30 1.35	1.30	
40/3009	115+115	30	20+20	0.750	3.30 1.35	1.30	
40/3010	115+115	50	9+9	2.800	3.90 1.55	2.00	2x8-32 spaced 0.40 in.
40/3011	115+115	50	12+12	2.100	3.90 1.55	2.00	
40/3012	115+115	50	15+15	1.670	3.90 1.55	2.00	
40/3013	115+115	50	20+20	1.250	3.90 1.55	2.00	
40/3014	115+115	50	25+25	1.000	3.90 1.55	2.00	
40/3015	115+115	90	12+12	3.750	4.20 1.80	3.00	2x8-32 spaced 0.40 in.
40/3016	115+115	90	15+15	3.000	4.20 1.80	3.00	
40/3017	115+115	90	20+20	2.250	4.20 1.80	3.00	
40/3018	115+115	90	25+25	1.800	4.20 1.80	3.00	
40/3019	115+115	90	30+30	1.500	4.20 1.80	3.00	
40/3020	115+115	130	18+18	3.610	4.90 1.90	4.30	2x8-32 spaced 0.80 in.
40/3021	115+115	130	22+22	3.000	4.90 1.90	4.30	
40/3022	115+115	130	30+30	2.160	4.90 1.90	4.30	
40/3023	115+115	130	35+35	1.850	4.90 1.90	4.30	
40/3024	115+115	130	40+40	1.620	4.90 1.90	4.30	

PERFORMANCE DETAILS

Input line voltage. 115 or 230V
Frequency: 50/60Hz Operating Range 47 to 400Hz
Secondary voltage tolerance: within 3% at nominal input and full load.

Primary to Secondary insulation 2500V R.M.S.
Maximum operating temperature 55°C ambient.

Nominal Load VA	Regulation	Temperature Rise °C	Iron Loss W	Copper Loss W
15	15%	14	0.20	2.25
30	13%	30	0.40	4.00
50	10%	35	0.60	5.00
90	7%	40	1.00	6.50
130	6.5%	40	2.00	10.00

Avel-Lindberg Logo

Toroidal Transformer
Dual Outputs

47 | 400

- Input Voltage: 115/230VAC@50/60Hz
- Secondary Voltage Tolerance: within 3% at nominal input and full load
- 13% regulation
- 8-32 mounting hole (top and bottom)

Photo of part number 163 89 and 168364

VA

12"

Part No.	Output Voltage	Output Terminals	Size (Dia." x H")	Weight (lbs.)	1-9	10-24	25-99
168372	9VAC@0.83mA	Wires	2.7 x 1.2	0.9	4 95	4.49	3.95
163889	20VAC@1.25A	Terminals	3.6 x 1.5	2.0	4 95	4.49	3.95
168364	35VAC@0.85mA	Wires	4.7 x 2.0	4.1	95	5.95	4.95

7.5
25.0
29.8

129.8

Solder Tuoat

PARALLEL OUTPUT	SERIES OUTPUT
9VAC@1.63mA	18VAC@.83mA
20VAC@2.50mA	40VAC@1.25A
35VAC@1.70mA	70VAC@.85mA